

PRELIMINARY ASSESSMENT

DATE: April 19, 1989

PREPARED BY: Annina O. Antonio
California State Department of Health Services
Toxic Substances Control Division
Region 2

SITE: Kaiser Aluminum
23333 Stevens Creek Boulevard (Permanente Road)
Cupertino, CA 95014

ASPIS NO.: 43-01-0002

EPA ID NO.: CAD 982358087
CAD 009155284

1. Site Description:

Kaiser Aluminum is an aluminum manufacturing company located at 23333 Stevens Creek Boulevard in the City of Cupertino, Santa Clara County, California (Figure 1, Site Location Map). During World War II, the site was occupied by a plant which manufactured magnesium incendiary bombs (1). Kaiser Corporation has occupied the site since 1946. Kaiser used the plant for the electrochemical reduction of magnesium from 1946 until 1969 (1). Kaiser Aluminum, a division of Kaiser Corporation, has occupied the site since 1969. It is currently used primarily for producing aluminum foil (2). The manufacturing process involves running heavy gauge aluminum foil through mills which produce thinner foil stock for various uses, ranging from household foil to aircraft wing foil (2).

Kaiser Aluminum is a large quantity waste generator (6). Its wastes include: municipal wastes, waste rolling oil from the foil mills, filter powder, and methyl ethyl ketone (MEK) (2). Waste oils are hauled away and recycled by Romic Chemical and Alviso Independent Oil Company (2). Filter powder wastes are transported on a quarterly basis to a class I facility in Idaho (2). MEK are hauled off-site and incinerated (2).

A liquid waste disposal pond on-site was originally used by the Kaiser magnesium plant and was used by Kaiser Aluminum for the disposal of SO₂ scrubber wastes until 1980 (1).

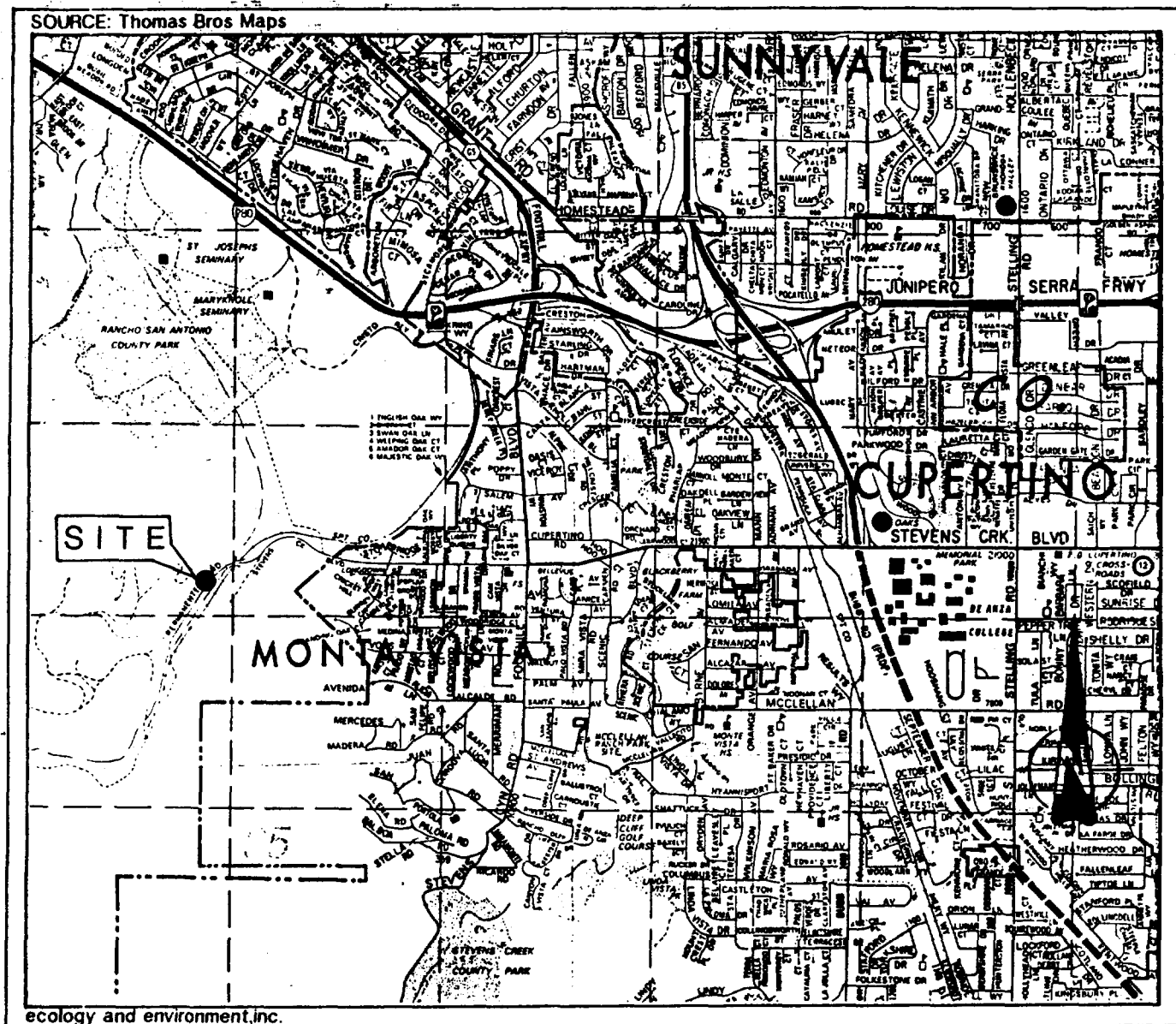


FIGURE 1
SITE LOCATION MAP

KAISER ALUMINUM FOIL PLANT
23333 STEVENS CREEK BLVD
CUPERTINO, CA 95014

2. Apparent Problem:

In January 1982, the California Department of Health Services (DHS) Abandoned Site Project (ASP) inspected the Kaiser Aluminum facility located on Permanente Road (1). According to the ASP report, the abandoned portion of the old magnesium plant contained approximately eight electrical transformers, several hundred drums (unlabeled/contents unknown), and cathode and anode waste blocks scattered throughout the plant (1). In addition, there was a system of subsurface cement-lined utility trenches which may have collected run-off and trapped sediment from the site (1).

The liquid waste disposal pond on-site was originally used for the disposal of liquid wastes by the Kaiser magnesium reduction plant and was subsequently used by Kaiser Aluminum for the disposal of SO₂ scrubber wastes. These wastes included sodium carbonate-neutralized sludge and coal tar fractions. The contents of the pond was reported to have overflowed several times (1). At the time of the ASP inspection, a small portion of the original pond surface was still exposed. The site was then referred to the Hazardous Waste Management Branch Enforcement of DHS for further action.

On April 5, 1983, DHS inspected the facility (8). Of the eight transformers mentioned in the 1982 ASP report, two were observed during the April 1983 enforcement inspection (9). Kaiser Aluminum had the two tested for PCB levels and both were found to be PCB-free (9). No information was available on the other six, nor the drums or trenches.

In October 1987, a Preliminary Assessment for the Kaiser Aluminum Foil Plant, located at 23333 Stevens Creek Boulevard in Cupertino, was conducted by Ecology and Environment Field Investigation Team (FIT) under contract to the U.S. EPA (2). According to FIT's report, the San Francisco Bay Regional Water Quality Control Board (SFRWQCB) sent out a questionnaire to Kaiser Aluminum in 1982 seeking information for their Santa Clara groundwater basin leak detection program. Kaiser Aluminum indicated that they had three 12,000-gallon underground storage tanks which were installed in 1956. One contained paint sludge (80% kerosene, 19% waste oil, and 1% paint) and the other two contained kerosene. The SFRWQCB requested that Kaiser Aluminum conduct a subsurface soil investigation to determine if any of the three underground tanks had leaked. According to the Kaiser Aluminum consultant report dated February 1984, toluene and an unknown constituent were identified. Toluene was present beneath the kerosene tank while the unknown constituent, similar in structure to diesel fuel, was present in soils adjacent to the paint sludge tank.

In June 1988, DHS identified two Kaiser Aluminum facilities in Cupertino (3). One was located at 23333 Stevens Creek Boulevard (CAD 009155284) and the other on Permanente Road (CAD 982358087) (3). According to the Santa Clara County Health Department, and the City of Cupertino Planning Department, the correct address is 23333 Stevens Creek Boulevard (4,11). Additional inquiry from the City of Cupertino Post Office indicated that mail addressed to both locations are delivered to 23333 Stevens Creek Boulevard (10).

3. HRS Factors:

Hazard Ranking System Factors were not researched because they were discussed in the Preliminary Assessment completed October 28, 1987 by Ecology and Environment FIT under contract to the U.S. EPA. Preliminary investigation indicates that the site does not have the potential to score high enough to be included in the National Priorities List (NPL) based on currently available information.*

4. Other Regulatory Involvement:

The Kaiser Aluminum Foil Plant is listed under the December 8, 1988 U.S. EPA RCRA database as a large quantity generator (6). Recent communication with the SFRWQCB indicated that Kaiser Aluminum is an inactive RWQCB site (7). According to the Santa Clara County Toxics Division, the site is currently involved in litigation and its files confidential (4).

5. Conclusions and Recommendations:

The Kaiser Aluminum site is located at 23333 Stevens Creek Boulevard in Cupertino, California. Although the CERCLIS database lists two Kaiser Aluminum facilities in Cupertino, there is one actual Kaiser Aluminum facility. The correct location is Stevens Creek. The site was the former location of a magnesium incendiary bomb plant during World War II. Kaiser Corporation has occupied the site since 1946, and used it from 1946 to 1969 for the electrochemical reduction of magnesium. Kaiser Aluminum has occupied the site since 1969 for use in aluminum foil manufacturing. There are three underground storage tanks on-site which are believed to be the source of contamination observed on underlying soils at the site. According to the E&E investigation, there is potential for observed release to groundwater. However, it does not appear to be a threat to local groundwater resources. The site has a low target population, and thus, is unlikely to qualify for inclusion on the National Priorities List (NPL).

* E&E did PA on 23333 Stevens Creek Boulevard on 11/1/87 and recommended NFA. DHS PA on Kaiser facility at Permanente Road identified that the two sites are the same. Since 23333 has already been excluded, no further work was done.

5.1 EPA Recommendation:

Based on a preliminary screening of Hazard Ranking System (HRS) factors, the site appears ineligible for inclusion on the National Priorities List (NPL). Therefore, no further action is recommended under CERCLA.

5.2 DHS Recommendation:

A pending status is recommended. Although the SFRWQCB considers it an inactive site, they are still providing Kaiser Aluminum with general guidance due to impacted groundwater on-site.

EPA CONCURRENCE**Initial****Date**

No Further Action Under CERCLA

High Priority SSI

Medium Priority SSI

References

1. California Department of Health Services, 1982, Hazardous Materials Management Section, Abandoned Site Project, Final Disposition Report, February 10, 1982.
2. Thys, Beatrice, E&E FIT, 1987, Preliminary Assessment, Kaiser Aluminum Foil Plant, 23333 Stevens Creek Blvd., Cupertino, California, October 28, 1987.
3. U.S. Environmental Protection Agency, 1988, CERCLIS Database, June 15, 1988.
4. Blamey, James, 1989, Personal Communication, Santa Clara County Toxics Division, March 29, 1989.
5. McGee, G.A., 1983, Letter to Vera Brady, U.S. EPA; Subject: Change of Address Notification, September 15, 1983.
6. U.S. Environmental Protection Agency, 1988, RCRA Database, December , 1988.
7. White, Diane, 1989, Personal Communication, SF Regional Water Quality Control Board, April 5, 1989.
8. White, C.A., 1983, Letter to G.A. McGee, Kaiser Aluminum; Subject: Violations Observed on April 5, 1983 Inspection, June 21, 1983.
9. McGee, George, 1983, Letter to C. Knoblock, California Department of Health Services, August 25, 1983.
10. Murr, J., 1989, Personal Communication, City of Cupertino Main Post Office, April 11, 1989.
11. McCann, D., 1989, Personal Communication, City of Cupertino Planning Department, April 11, 1989.

FIELD PHOTOGRAPHY LOG SHEET

DATE 20/10/83

TIME _____ A.M. (P.M.)

DIRECTION: N NNE NE ENE

E ESE SE SSE

S SSW SW WSW

W WNW NW NNW

WEATHER partly cloudySITE Point 1566 (see map)

PHOTOGRAPHED BY:

S. G. G. G. G. G.

SAMPLE ID# (if applicable)



DESCRIPTION: Picture showing a view of the river and the surrounding area, taken from the parking lot at the end of the stream after flood.

DATE _____

TIME _____ A.M. (P.M.)

DIRECTION: N NNE NE ENE

E ESE SE SSE

S SSW SW WSW

W WNW NW NNW

WEATHER _____

SITE _____

PHOTOGRAPHED BY:

SAMPLE ID# (if applicable)

DESCRIPTION: _____

REFERENCE 1

ANDONED SITE PROJECT

FINAL DISPOSITION

Name David Belk

Date February 10, 1982

Site Name Kaiser Aluminum

Site Address Permanente Road

City Cupertino Zip Code 95014 County Santa Clara

RCRA # _____ Superfund # _____ SWIS # 43-33-0001

REFERRAL:

-Date(s) referred: January 18, 1982

Referral Agency Name(s): HWMB-Enforcement

Reason referred: _____

INCLUDE IN ASP SITE SUMMARIES:

(date and initial)

	<u>Yes</u>	<u>No (explain below)</u>
Lead Person	<u>2/10/82 DFB</u>	_____
Regional Administrator	<u>7/8/82 D</u>	_____
Project Manager	<u>7/9/82 NJ</u>	_____
Other	<u>7/16/82 B.</u>	_____

Reason for not including in the site summaries: _____

Abandoned Site Project

Kaiser Aluminum
Permanente Road
Cupertino, CA 95014

HISTORY

During World War II the site was occupied by a plant which manufactured magnesium incendiary bombs. In 1946 it was occupied by Kaiser. Kaiser used the plant for the electrochemical reduction of magnesium until 1969. The site is currently occupied by Kaiser Aluminum, and is used for research and development in primary aluminum manufacturing.

A liquid waste disposal pond on the site was originally used by the Kaiser magnesium plant. Kaiser Aluminum used the pond for the disposal of SO₂ scrubber waste until 1980. In the summer of 1980 the contents of the pond was pumped out and about 20 feet of fill was placed over the pond. The fill originated from the adjoining Kaiser cement plant.

DESCRIPTION OF PROBLEM

The site was inspected by Abandoned Site Project staff on January 12, 1982. The abandoned portion of the old magnesium plant contains approximately eight electrical transformers, some of which may contain transformer oil. Scattered throughout the plant site are several hundred unlabeled drums, the contents of which have not been identified. In addition, there is a system of subsurface cement-lined utility trenches which may have collected runoff and trapped sediment from the site.

The pond was originally used for the disposal of liquid wastes by the Kaiser magnesium reduction plant. It was subsequently used by Kaiser Aluminum for the disposal of SO₂ scrubber wastes, which included sodium carbonate-neutralized sludge and coal tar fractions. The contents of the pond reportedly overflowed several times. A small portion of the original pond surface is still exposed.

SAMPLING AND RESULTS

The site was referred to the Hazardous Waste Management Branch Enforcement on January 18, 1982 for further action.

hd SCER-2/mt

FINAL DISPOSITION

Name _____

Date 10/03/82

Site Name Kaiser Aluminum

Site Address Permanente Rd

City Cupertino Zip Code 95014 County Santa Clara

RCRA # _____ Superfund # _____ SWIS # 43-33-0001

REFERRAL:

Date(s) referred: 01/18/82

Referral Agency Name(s): HWMB Enforcement

Reason referred: A.S.P. Inspection revealed an abandoned waste disposal pond, numerous drums, and several Transformers on-site

INCLUDE IN ASP SITE SUMMARIES:

(date and initial)

Yes

No (explain below)

Lead Person

3-11-82 DJB

Regional Administrator

Project Manager

Other

Reason for not including in the site summaries: _____

(Included in summaries)

REFERENCE 2



ecology and environment, inc.

160 SPEAR STREET, SAN FRANCISCO, CALIFORNIA 94105, TEL. 415/777-2811

International Specialists in the Environment

PRELIMINARY ASSESSMENT

DATE: October 28, 1987

PREPARED BY: Beatrice Thys
Ecology and Environment, Inc.

SITE: Kaiser Aluminum Foil Plant
23333 Stevens Creek Blvd.
Cupertino, CA 95014
Santa Clara County

TDD #: F9-8706-059

EPA ID #: CAD009155284

1. Initial FIT Conclusions and Recommendations for Further Action:

a) Site Description:

The Kaiser Aluminum Foil Plant (KA) has operated at 23333 Stevens Creek Boulevard, Cupertino, California, since 1946 (see Figure 1, Site Location Map). The Kaiser Cement Plant, a separate company, is located adjacent to KA at the west end of Stevens Creek Boulevard (1). The site was first occupied (from 1943 to 1945) by a magnesium processing facility which was built by Henry Kaiser. During this time, magnesium oxides were refined on-site. Details regarding the steps of this refining process are unknown. This pure magnesium was for use in the manufacture of incendiary bombs. Since 1946, aluminum foil has been produced on-site. The process involves running heavy-gauge aluminum foil through mills which produce thinner foil stock for a variety of uses, from household foil to aircraft wing foil.

The facility is a multi-level building; levels are designated according to their elevations above sea level (545 ft, 560 ft, 570 ft).

There are three underground tanks, an unidentified number of above-ground tanks, and approximately 12 transformers containing polychlorinated biphenyl (PCB) oils on-site. Stored in the above-ground tanks (some of which are below grade) are: flammable/non-flammable gases, corrosives, combustible oils, isopropyl alcohol, combustible liquids, and flammable liquids (2).

REFERENCE 3

LEVEL: STATE CA
SELECTION:
SEQUENCE: STATE, SITE NAME
EVENTS: ALL

U.S. EPA SUPERFUND PROGRAM

** C E R C L I S **

PAG. 128
RUN DATE: 06/15/88
RUN TIME: 18:14:26

LIST-8: SITE/EVENT LISTING

VERSION: 1

EPA ID NO.	SITE NAME STREET CITY COUNTY CODE AND NAME	STATE ZIP CONG DIST.	NFA. FLAG	OPRBLE UNIT	EVENT TYPE	ACTUAL START DATE	ACTUAL COMPL DATE	CURRENT EVENT LEAD
CAD981409352	K & H FINISHING 2302 TRADE ZONE BLVD SAN JOSE 085 SANTA CLARA	CA 95131	NFA	00	DS1 PA1		05/01/86 12/01/87	EPA (FUND) EPA (FUND)
CAD980637557	KAISER ALUM & CHEM CO SHIPYARD #2 CUTTING AND WRIGHT TO THE BAY RICHMOND 013 CONTRA COSTA	CA 94804		00	DS1 PA1	05/01/86	02/01/80 06/01/86	EPA (FUND) STATE(FUND)
CAD982358087	KAISER ALUMINUM PERMANENTE RD CUPERTINO 085 SANTA CLARA	CA 95014		00	DS1		12/01/87	STATE(FUND)
CAD009155284	KAISER ALUMINUM FOIL PLANT 23333 STEVENS CREEK BLVD CUPERTINO 085 SANTA CLARA	CA 95014	NFA	00	DS1 PA1		05/01/86 11/01/87	EPA (FUND) EPA (FUND)
CAD008262982	KAISER CEMENT CORP CUSHENBURY PLT OFF ROUTE 18 LUCERNE VALLEY 071 SAN BERNARDINO	CA 92356		00	DS1 PA1 SI1	01/01/85	06/01/81 02/01/85 02/01/87	EPA (FUND) STATE(FUND)
CAD009109539	KAISER CEMENT CORP PERMANENTE PLT W TERMINUS OF STEVENS CR BLVD PERMANENTE 085 SANTA CLARA	CA 95014		00	DS1 PA1	09/01/86	06/01/81 06/01/87	EPA (FUND) STATE(FUND)
CAD981677164	KAISER DEV CO - BLOSSOM HILL ROAD SITE BLOSSOM HILL RD&BLOSSOM RVR DR SAN JOSE 085 SANTA CLARA	CA 95118		00	DS1 PA1		10/01/86 02/01/87	EPA (FUND)
CAD980893416	KAISER PIT MT HERMAN RD SCOTTS VALLEY 087 SANTA CRUZ	CA 95066		00	DS1 PA1 SI1		07/01/85 09/01/85 09/01/85	EPA (FUND) EPA (FUND) EPA (FUND)

REFERENCE 4

CONTACT REPORT

Agency/Affiliation: Santa Clara County Toxics
Address: 2220 Moorpark Avenue
San Jose, CA 95128
Contact: James Blamey
Phone Number: (408) 299-6930
From: Annina O. Antonio
Date: March 29, 1989
Subject: Kaiser Aluminum Site
Correct Address, Current Status

J. Blamey inspected the site approximately four-five months ago. The Permanente Road and 23333 Stevens Creek Boulevard addresses definitely refer to the same site. Their files on Kaiser are confidential and are currently with the District Attorney's office.

REFERENCE 5

KAISER
ALUMINUM

KAISER ALUMINUM & CHEMICAL CORPORATION

September 15, 1983

Ms. Vera Brady
Environmental Protection Agency
Mail T-2-2
215 Fremont Street
San Francisco, CA 94105

Dear Ms. Brady:

This is your notification that our address has changed from:

RCRA 1. Kaiser Aluminum, Stevens Creek Road, Permanente, California

to: Kaiser Aluminum, Foil Plant, 23333 Stevens Creek Boulevard,
Cupertino, CA 95014.

2. Kaiser Cement is still located at the west terminus of Stevens
Creek Boulevard, Permanente, California.

We are two separate companies who are located next to each other.

Very truly yours,

George McGee

G. A. McGee
Plant Engineer

itk

REFERENCE 6

FACILITY ID	FACILITY NAME	FACILITY STREET	FACILITY CITY	ZIP	COUNTY	ACTIVITY TYPE GEN TRANS TSDF	PERM STAT	NON REG	NOT DAT
CAD982320111	KAB MOTORS INC	6636 MANCHESTER BLVD	BUENA PARK	90621	ORANGE	2			02/18/88
CAD112932108	KABIVITRUM INC	1311 HARBOR BAY PARKWAY	ALAMEDA	94501	ALAMEDA	1			12/19/85
CAD066113796	KABUKI THEATER	1881 POST	SAN FRANCISCO	94101	SAN FRANCI SCO	1			05/20/86
CAD982314916	KAEDING PERFORMAN CE INC	813 KRISTICH LA NE	CAMPBELL	95008	SANTA CLAR A	3			10/28/87
CAD982061202	KAESS TIRE & BRAK E	1261 18TH & T S T	MERCED	95340	MERCED	1			10/08/87
CAD981391808	KAGA INC	11215 YOUNG RIV ER AVE	FOUNTAIN VALLEY	92708	ORANGE	2			02/25/86
CAD981972045	KAHL SCIENTIFIC I NSTRUMENT CORP	737 W MAIN ST	EL CAJON	92020	SAN DIEGO	3			05/11/87
CAD 326068	KAINOS WORK ACTIV ITY CENTER	520 SECOND AVE	REDWOOD CITY	94063	SAN MATEO	3			11/24/87
CAD009460767	KAISER AEROTECH	880 DOOLITTLE D R	SAN LEANDRO	94577	ALAMEDA	1			08/14/80
CAD072286123	KAISER ALUM & CHE MICAL CORP	1345 SOUTH HERB ERT AVE	LOS ANGELES	90023	LOS ANGELE S	1		9	08/14/80
CAD055505333	KAISER ALUMINUM & CHEM CO	1937 DAVIS ST	SAN LEANDRO	94577	ALAMEDA	1			01/12/84
CAD981391584	KAISER ALUMINUM & CHEM CORP	6250 E BANDINI	CITY OF COMMERC E	90040	LOS ANGELE S	1			02/21/86
CAD073934176	KAISER ALUMINUM & CHEMICAL CAN LAB	1465 FACTOR AVE	SAN LEANDRO	94577	ALAMEDA	1		9	08/14/80
CAD071683940	KAISER ALUMINUM & CHEMICAL CORP	6177 SUNOL BLVD	PLEASANTON	94566	ALAMEDA	1			08/14/80
CAD052266822	KAISER ALUMINUM & CHEMICAL#	1001 MC WANE BL VD	OXNARD	93030	VENTURA	1			08/14/80
CAD981454887	KAISER ALUMINUM & SHEMICAL CORP	6250 EAST BANDI NI	CITY OF COMMERC E	90040	LOS ANGELE S	3			03/24/86
CAD981399488	KAISER ALUMINUM A ND CHEMICAL CORP	6250 EAST BANDI NI	CITY OF COMMERC E	90040	LOS ANGELE S	3			04/25/86
CAD009155284	KAISER ALUMINUM F OIL PLT	23333 STEVENS C R BLVD	CUPERTINO	95014	SANTA CLAR A	1			08/14/80
CAD982041691	KAISER ASBESTOS I NC	7008 34TH ST	NORTH HIGHLANDS	95660	SACRAMENTO		X		09/21/87
CAD 999923	KAISER BROTHERS O LDSMOBILE	1540 S FIGUEROA ST	LOS ANGELES	90015	LOS ANGELE S	2			05/27/87
CAD981384357	KAISER CEMENT CO PERMANENTE	KAISER	CUPERTINO	95014	SANTA CLAR A	2			02/05/86
CAD981385909	KAISER CEMENT COR P CUSHENBURY	STATE HWY 18 7 MI SO OF LV	LUCERNE VALLEY	92356	SAN BERNAR DINO	2			02/07/86
CAD981630114	KAISER CENTER INC	300 LAKESIDE DR	OAKLAND	94643	ALAMEDA	3			12/10/86
CAD982005019	KAISER CONSTRUCTI ON SERVICES	1780 SECOND ST	BERKELEY	94710	ALAMEDA	2			06/19/87
CAD982013724	KAISER ECKEL VALV E	20700 PLUMMER S T	CHATSWORTH	91311	LOS ANGELE S	2			07/13/87
CAD016845414	KAISER ELECTRO OP TICS INC	6070 AVENIDA EN CINAS	CARLSBAD	92008	SAN DIEGO	2			07/22/86

REFERENCE 7

CONTACT REPORT

Agency/Affiliation: San Francisco Regional Water
Quality Control Board

Address: 1111 Jackson Street
Oakland, CA 94607

Contact: Diane White

Phone Number: (415) 464-0914

From: Annina O. Antonio

Date: April 4, 1989

Subject: Kaiser Aluminum Site Status

As far as case handling is concerned, Kaiser Aluminum is not an active site. The SFRWQCB is currently providing general guidance on Kaiser, as they have encountered impacted groundwater on-site.

REFERENCE 8

DEPARTMENT OF HEALTH SERVICES

2151 BERKELEY WAY
BERKELEY, CA 94704

(415) 540-2043

*Kaiser
Aluminum*

June 21, 1983

Mr. George Mc Gee
Kaiser Aluminum
2333 Stevens Creek Boulevard
Cupertino, CA 95014

Dear Mr. Mc Gee:

On April 5, 1983 an inspection of your facility was conducted by Chris Knoblock of the Hazardous Waste Management Branch.

Pursuant to Section 66328(c), California Administrative Code, you are hereby notified of the following conditions observed during the inspection which are alleged to be violations of the California Hazardous Waste Control Act (California Health and Safety Code, Division 20, Chapter 6.5) and California Hazardous Waste Control Regulations (California Administrative Code, Title 22, Division 4, Chapter 30).

1. Two large transformers are sitting in the abandoned building of the old magnesium plant on unstable ground. These transformers may contain PCBs. The transformer oil must be tested for PCBs. If the transformers contain PCBs, they must be handled as a hazardous waste and must comply with appropriate State and Federal PCB storage/disposal requirements.
2. Many drums were observed west of the abandoned building at the old magnesium plant. Some drums contents could not be identified. Some drums contained bauxite samples and some contained hardened coal tar pitch. The unidentified drums contents must be identified. The coal tar and bauxite contained in drums is still a usable product and is not considered a waste. It is our understanding that the coal tar will be used by another Kaiser facility and the bauxite will be used by your facility. Any remaining material that meets the definition of hazardous waste must be removed to an approved hazardous waste disposal site.
3. There are three (3) abandoned underground waste tanks near the active portion of the facility. The oil-solvent abandoned waste tank is of specific concern due to its accessibility as a possible disposal point. A determination must be made if all of these tanks contain any materials and if leakage has occurred. Soil borings should be taken surrounding and below the tanks and tested for the chemicals known to have been stored in them.

George Mc Gee

-2-

Kassir Alterman

4. Hazardous waste was being stored on-site for over 90 days which is in violation of Section 25123.3 of the Health & Safety Code. Please submit a plan to ensure that wastes are not stored for over 90 days or apply for a hazardous waste storage permit.

Section 66328(d) C.A.C. states: "If corrections are needed the operator shall provide to the Department a written plan of correction which states the actions to be taken and the expected dates of completion."

You are hereby directed to submit a Plan of Correction to this office, pursuant to Section 66328(d) C.A.C., which describes the steps you will take to correct these deficiencies. Your Plan of Correction must be received at this office within 30 days from the date of this letter.

We have received results of the samples that were taken on April 5, 1983. These results indicate that the samples are not considered hazardous on the basis of total metals analyses and pH. Copies of these results are attached.

If you have any questions, please call Chris Knoblock at (415) 540-3080.

Sincerely,



Charles A. White, P.E.
Regional Administrator
North Coast Region
Hazardous Waste Management Branch

Attachments

Certified No. P 368 413 164

cc: Paul Blais, EPA

Harold Singer, RWQCB

Steve Brooks, Santa Clara Co. Health

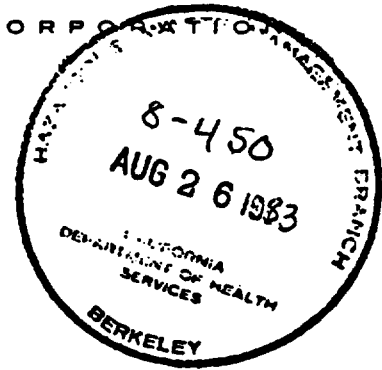
William Marlin, OLS, Sacramento

REFERENCE 9

KAISER
ALUMINUM

KAISER ALUMINUM & CHEMICAL CORPORATION

August 25, 1983



Ms. Chris Knoblock
Department of Health Services
2151 Berkeley Way
Berkeley, CA 94704

Dear Ms. Knoblock:

In response to your letter dated June 21, 1983, the following is the plan of correction for the Kaiser Aluminum Foil Plant and Research Facility:

1. The two transformers have been tested for PCB levels. Both are non-contaminated.
2. All drums will be analyzed by September 15 to determine whether or not their contents are hazardous. Any hazardous materials will be disposed per State and Federal regulations. Disposal will take three weeks.
3. Two of the three abandoned tanks are scheduled to be removed by November. The third tank will be emptied and cleaned. Soil borings will be taken around all three tanks. If the soil analysis shows hazardous levels of contamination, the appropriate action will be taken.
4. A pick up of hazardous materials will be scheduled every 90 days. All waste drums are dated.

Sincerely,

George McGee *GM*
Plant Engineer

GM:jw

cc: S. T. Hightower
W. H. Goodnow - Research
C. B. Harrison - Research
T. R. Pritchett - Research

REFERENCE 10

CONTACT REPORT

Agency/Affiliation: City of Cupertino, Main Post Office
Address: 20850 Stevens Creek Blvd.
Cupertino, CA 95014
Contact: Joe Murr
Phone Number: (408) 252-6798
From: Annina O. Antonio
Date: April 11, 1989
Subject: Kaiser Aluminum Correct Address

Mr. Murr is a supervisor at the City's Main Post Office. Both addresses refer to the 23333 Stevens Creek Blvd. location. They even mail addressed Stevens Creek Road, Permanente, California to this location.

REFERENCE 11

CONTACT REPORT

Agency/Affiliation: City of Cupertino Public Works
City Planning

Address: 10300 Torre Avenue
Cupertino, CA 95014

Contact: Diane McCann

Phone Number: (408) 252-4645

From: Annina O. Antonio

Date: April 11, 1989

Subject: Kaiser Aluminum Correct Address

23333 Stevens Creek Blvd. is the correct address, per their records. The Permanente Road address might refer to a private property address, i.e., inside the Kaiser compound.